T N	11:4	Coarsh Tout	7-22	
L Number	Hits	Search Text	DB	Time stamp
_	0	700/299 and dielectric near magnetic	USPAT;	2003/01/27 15:47
_	1	700/299 and dielectric same magnetic	US-PGPUB USPAT;	2003/01/27 15:48
_	4	700/299 and dielectric and magnetic	US-PGPUB USPAT;	2003/01/27 15:56
-	6	dielectric near (magnetic adj head)	US-PGPUB USPAT; US-PGPUB	2003/01/27 15:59
-	245	dielectric same (magnetic adj head)	USPAT; US-PGPUB	2003/01/27 16:02
_	1	(dielectric same (magnetic adj head)) and 700/299	USPAT; US-PGPUB	2003/01/27 16:02
-	1	(dielectric same (magnetic adj head)) and (probe same heat) and (control\$3 same heat) and calculat\$3	USPAT; US-PGPUB	2003/01/27 16:04
-	2	(dielectric same (magnetic adj head)) and (probe same heat) and calculat\$3	USPAT; US-PGPUB	2003/01/27 16:06
-	2448	(giant adj magnetoresistive adj sensor) or GMR	USPAT; US-PGPUB	2003/01/28 13:20
-	101	((giant adj magnetoresistive adj sensor) or GMR) and probe and calculat\$3	USPAT; US-PGPUB	2003/01/27 16:20
	1	((giant adj magnetoresistive adj sensor) or GMR) and probe and (calculat\$3 same (thermal adj conductance))	USPAT; US-PGPUB	2003/01/27 16:23
-	1	((giant adj magnetoresistive adj sensor) or GMR) and probe and (calculat\$3 same (conductance))	USPAT; US-PGPUB	2003/01/27 16:23
-	7	((giant adj magnetoresistive adj sensor) or GMR) and probe and (calculat\$3 and (conductance))	USPAT; US-PGPUB	2003/02/26 17:51
_	1	((giant adj magnetoresistive adj sensor) or GMR) and probe and (thermal adj conductance)	USPAT; US-PGPUB	2003/01/27 16:39
-	4	((giant adj magnetoresistive adj sensor) or GMR) and (thermal adj conductance)	USPAT; US-PGPUB	2003/01/27 17:17
_	10	(magnetic adj head) and (thermal adj conductance)	USPAT; US-PGPUB	2003/01/27 17:46
-	28	((giant adj magnetoresistive adj sensor) or GMR) and (measure same heat)	USPAT; US-PGPUB	2003/01/27 17:47
_	258	(magnetic near head) same dielectric	USPAT; US-PGPUB	2003/01/28 12:19
-	0	((magnetic near head) same dielectric) and (probe near heat)	USPAT; US-PGPUB	2003/01/28 12:24
_	2	((magnetic near head) same dielectric) and (probe same heat)	USPAT; US-PGPUB	2003/01/28 12:24
_	10	(probe and heat)	USPAT; US-PGPUB	2003/01/28 12:35
_	223	<pre>((magnetic near head) same dielectric) and (measure same heat\$3) ((giant adj magnetoresistive adj sensor)</pre>	USPAT; US-PGPUB USPAT;	2003/01/28 12:56
	223	or GMR).ti. or((giant adj magnetoresistive adj sensor) adj sensor) or GMR).ab.	US-PGPUB	2003/01/28 13:31
_	1	<pre>(((giant adj magnetoresistive adj sensor) or GMR).ti. or((giant adj magnetoresistive adj sensor) or GMR).ab.) and (measure near</pre>	USPAT; US-PGPUB	2003/01/28 16:24
-	5	heat) (((giant adj magnetoresistive adj sensor) or GMR).ti. or((giant adj magnetoresistive adj sensor) or GMR).ab.) and (measure same heat)	USPAT; US-PGPUB	2003/01/28 14:22
-	5	(((giant adj magnetoresistive adj sensor) or GMR).ti. or((giant adj magnetoresistive adj sensor) or GMR).ab.) and (measure same heat\$3)	USPAT; US-PGPUB	2003/01/28 14:23
-	1	(((giant adj magnetoresistive adj sensor) or GMR).ti. or((giant adj magnetoresistive adj sensor) or GMR).ab.) and (measure near	USPAT; US-PGPUB	2003/01/28 16:25
		temperature)		

	· · · · · · · · · · · · · · · · · · ·			
-	12	(((giant adj magnetoresistive adj sensor)	USPAT;	2003/01/28 16:46
		or GMR).ti. or((giant adj magnetoresistive	US-PGPUB	
		adj sensor) or GMR).ab.) and (measure same		
	0.450	temperature)		0000 (01 (00 00 00
-	2452	1 ( )	USPAT;	2003/01/28 17:33
	25	or GMR)	US-PGPUB	0000 (01 (00 15 05
-	25		USPAT;	2003/01/28 17:35
<u> </u>	197	or GMR)) and (measure near temperature)	US-PGPUB	0000/00/10 15 10
_	19/	((giant adj magnetoresistive adj sensor) or GMR).ab.	USPAT;	2003/02/18 15:10
_	1	l '	US-PGPUB	2002/00/10 15 01
_		or GMR).ab. ) and (measure near heat) and	USPAT;	2003/02/18 15:21
		(calculat\$3 same conductance)	US-PGPUB	
_	7	(measure near heat) and (calculat\$3 same	HCDAM.	0000/00/10 15 01
	1	conductance)	USPAT; US-PGPUB	2003/02/18 15:21
_	3	,	USPAT;	2003/02/18 15:22
		(thermal adj conductance))	US-PGPUB	2003/02/18 15:22
_	0		USPAT	2003/02/18 15:23
_	ĭ	GMR and (measure near heat)	USPAT;	2003/02/18 15:23
		Sint and (measure near near)	US-PGPUB	2003/02/18 13:27
<u>-</u>	30	GMR and (measure same heat)	USPAT;	2003/02/18 15:24
		The second secon	US-PGPUB	2003/02/10 13:24
-	3	GMR and (measure near thermal)	USPAT;	2003/02/18 15:29
		. ,	US-PGPUB	
-	2	GMR and (measure near flow)	USPAT;	2003/02/18 15:31
!		· '	US-PGPUB	,,,,,,
-	563	(magnetic adj head) and ((measure or	USPAT;	2003/02/18 16:47
İ		calculate) same (thermal or heat or	US-PGPUB	
		conductance or flow))		
-	16	((magnetic adj head) and ((measure or	USPAT;	2003/02/18 16:39
		calculate) same (thermal or heat or	US-PGPUB	
		conductance or flow))) and ((cool\$3 or		
		current or temperature) near (magnetic adj		
		head))		
-	17	((magnetic adj head) and ((measure or	USPAT;	2003/02/18 15:44
		calculate) same (thermal or heat or	US-PGPUB	
		conductance or flow))) and ((cool\$3 or	!	
		current or temperature or warm\$ or heat\$3)	i	
		near (magnetic adj head))		
-	6	(((magnetic adj head) and ((measure or	USPAT;	2003/02/18 16:08
		calculate) same (thermal or heat or	US-PGPUB	
1		conductance or flow))) and ((cool\$3 or		
		current or temperature or warm\$ or heat\$3) near (magnetic adj head))) and (relation		
		or equation)		
1_	8		USPAT;	2003/02/18 16:12
	١	calculate) same (thermal or heat or	US-PGPUB	2000/02/10 10:12
		conductance or flow))) and ((cool\$3 or	22 10100	
		current or temperature or warm\$ or heat\$3)		
		near (magnetic adj head))) and (relation		
		or equation or formula)		
-	1	((((magnetic adj head) and ((measure or	USPAT;	2003/02/18 16:13
	İ	calculate) same (thermal or heat or	US-PGPUB	
1		conductance or flow))) and ((cool\$3 or		
		current or temperature or warm\$ or heat\$3)		
		near (magnetic adj head))) and (relation		
		or equation or formula)) and (thermal adj		
		conduct\$6)	}	
-	1	(((magnetic adj head) and ((measure or	USPAT;	2003/02/18 16:22
	i	calculate) same (thermal or heat or	US-PGPUB	<b>!</b>
	į.	conductance or flow))) and ((cool\$3 or	ļ.	
	ľ	current or temperature or warm\$ or heat\$3)	ŀ	
	1	<pre>near (magnetic adj head))) and (thermal adj conduct\$6)</pre>		
_	1	(((magnetic adj head) and ((measure or	USPAT;	2003/02/18 16:15
1	1	calculate) same (thermal or heat or	US-PGPUB	2003/02/10 10:12
	1	conductance or flow))) and ((cool\$3 or	OO LGEOD	
		current or temperature or warm\$ or heat\$3)		
		near (magnetic adj head))) and (thermal	į	
1		near conduct\$6)		

Calculate)   Same (thermal or heat or conductance or flowi)   and ((cool\$3 or current or temperature or warms or heat\$3)   near (magnetic adj head); and (resistance and temperature or warms or heat\$3)   near (magnetic adj head); and ((cool\$3 or current or temperature or warms or heat\$3)   near (magnetic adj head); and ((cool\$3 or current or temperature or warms or heat\$3)   near (magnetic adj head); and ((cool\$3 or current or temperature or warms or heat\$3)   near (magnetic adj head); and ((cool\$3 or current or temperature or warms or heat\$3)   near (magnetic adj head); and ((cool\$3 or current or temperature or warms or heat\$3)   near (magnetic adj head); and ((cool\$3 or current or temperature or warms or heat\$3)   near (magnetic adj head); and ((cool\$3 or current or temperature or varms or heat\$3)   near (magnetic adj head); and ((cool\$3 or current or temperature)   near (magnetic adj head); and ((cool\$3 or current)); and						
current or temperature or warm5 or heat\$3) near (magnetic adg headi)) and (resistance and temperature and current)) and conductance and temperature and current) and conductance assems (thermal or head or conductance assems (thermal or head or conductance and flows)) and (cool33 or current or temperature or warm5 or heat\$3) near (magnetic adg head)) and (feesaure or calculate) same (thermal or heat or conductance or flows)) and (feesaure or calculate) same (thermal or heat or conductance or flows)) and (feesaure or calculate) same (thermal or heat or conductance or flows)) and (feesaure or calculate) same (thermal or heat or conductance or flows)) and (feesaure or calculate) same (thermal or heat or conductance or flows)) and (feesaure or calculate) same (thermal or heat or conductance or flows)) and (feesaure or calculate) same (thermal or heat or conductance or flows)) and (feesaure or calculate) same (thermal or heat or conductance or flows)) and (feesaure or calculate) same (thermal or heat or conductance or flows)) and (feesaure or calculate) same (thermal or heat or conductance or flows)) and (feesaure or calculate) same (thermal or heat or conductance or flows)) and (feesaure or calculate) same (thermal or heat or conductance or flows)) and (feesaure or calculate) same (thermal or heat or conductance or flows))  (finagnetic adj head) and (feesaure or calculate) same (thermal or heat or conductance or flows)  (magnetic adj head) and (feesaure or calculate) same (fee	-	3	calculate) same (thermal or heat or	USPAT; US-PGPUB	2003/02/18	16:17
and temperature and current) and conductance ((magnetic adj head) and ((measure or calculate)) same (thermal or heat or conductance or flow)) and ((cool83 or carrent)) and (magnetic adj head)) and (resistance and temperature and current) ((magnetic adj head) and ((magnetic adj head)) and (cool83 or current or temperature or warms or heat93) near (magnetic adj head) and (magnetic adj head) and (cool83 or current or temperature or warms or heat93) near (magnetic adj head)), and (cool83 or current or temperature or warms or heat93) near (magnetic adj head)) and (resistance and temperature and current)) and (cool83 or current or temperature or warms or heat93) near (magnetic adj head) and (imeasure or calculate) same (thermal or heat or conductance or flow)) and (cool83 or current or temperature) and (conduct\$6) ((flagnetic adj head) and (imeasure or calculate) same (thermal or heat or calculate) same (thermal or heat or calculate) and (conduct\$6) ((flagnetic adj head) and ((magnetic adj head)) and (cool83 or current or temperature) and (conduct\$6) ((flagnetic adj head) and (flagsaure or calculate) same (thermal or heat or conductance or flow)) and (cool83 or current or temperature) and (conduct\$6) ((flagnetic adj head) and (flagsaure or calculate) near (thermal or heat or conductance or flow)) (magnetic adj head) and (flagsaure or calculate) near (thermal or heat or conductance or flow)) (magnetic adj head) and dielectric (US-PGPUB (US-PCPUB (US			current or temperature or warm\$ or heat\$3)			
10			and temperature and current)) and	!		
conductance or flow))) and ((cool33 or current or temperature or warms or heat\$3) near (magnetic adj head)) and (resistance and temperature and current)   14 ((magnetic adj head) and (fesistance and temperature)   15   16:23   2003/02/18 1	-	10	(((magnetic adj head) and ((measure or	1	2003/02/18	16:20
14 ((((magnetic adj head) and ((measure or conductance or flow))) and ((cool\$3 or current or temperature or warm\$ or heat\$3) near (magnetic adj head) and ((measure or calculate) same (thermal or heat or conductance or flow))) and ((cool\$3 or current or temperature or warm\$ or heat\$3) near (magnetic adj head)) and ((cool\$3 or current or temperature or warm\$ or heat\$3) near (magnetic adj head)) and ((cool\$3 or current or temperature or warm\$ or heat\$3) near (magnetic adj head)) and ((cool\$3 or current or temperature or warm\$ or heat\$3) near (magnetic adj head)) and ((cool\$3 or current or temperature or warm\$ or heat\$3) near (magnetic adj head)) and ((cool\$3 or current or temperature or warm\$ or heat\$3) near (magnetic adj head)) and ((cool\$3 or current or temperature) and ((conduct\$6)) and dielectric ((magnetic adj head)) and ((measure or calculate)) amme (thermal or heat or conductance or flow))) and ((cool\$3 or current or temperature) near (magnetic adj head)) and (cool\$3 or current or temperature) near (magnetic adj head) near dielectric ((magnetic adj head)) and (ineasure or calculate)) ((magnetic adj head) and dielectric ((magnetic adj head)) near (beta) ((magnetic adj head)) near (beta) ((magnetic adj head)) near (beta) ((magnetic adj head)) same dielectric) and ((magnetic adj head)) same dielectric) and ((magnetic adj head)) same dielectric) and ((magnetic adj head)) same dielectric) and ((magnetic adj head)) near (heat or thermal or conductance or dielectric or flow)) and ((measure³3 or calculate) or control\$4) near (heat or thermal or conductance or dielectric or flow)) and ((measure³3 or calculate) or control\$4) near (heat or thermal or conductance or dielectric or flow)) and ((measure³3 or calculate) or control\$4) near (heat or thermal or conductance or dielectric or flow)) and (magnetic adj head) same dielectric or flow)) and (magnetic adj head) same dielectric or flow)) and (magnetic adj head) same dielectric or flow)) and (magnetic adj head) same dielectric or flow)) and (magnetic adj head) same di			<pre>conductance or flow))) and ((cool\$3 or current or temperature or warm\$ or heat\$3) near (magnetic adj head))) and (resistance</pre>	00 10105		
near (magnetic adj head) nand (conducts6)   ((((magnetic adj head) and ((measure or calculate) same (thermal or heat or conductance or flow))) and ((cools3 or current or temperature or warm5 or heats3))   near (magnetic adj head) and ((measure or calculate) same (thermal or heat or conductance and temperature and current)) and (cools3 or current or temperature or warm5 or heats3)   near (magnetic adj head) and ((measure or calculate) same (thermal or heat or conductance or flow))) and ((cools3 or current or temperature or warm5 or heats3))   near (magnetic adj head) and ((resistance and temperature) and current) and ((cools3 or current or temperature or warm5 or heats3))   near (magnetic adj head)) and ((resistance and temperature) and current) and ((cools3 or current or temperature) near (magnetic adj head) and (measure or calculate) same (thermal or heat or conductance or flow))   1332	-	14	<pre>(((magnetic adj head) and ((measure or calculate) same (thermal or heat or conductance or flow))) and ((cool\$3 or</pre>	1	2003/02/18	16:23
current or temperature or warms or heat\$3 near (magnetic adj head)) and (resistance and temperature and current)) and (conduct\$6)  (((((magnetic adj head) and ((measure or calculate) same (thermal or heat or conductance or fiow))) and ((cool\$3 or current or temperature or warm\$ or heat\$3) near (magnetic adj head)) and (resistance and temperature and current)) and (conduct\$6) and dielectric ((magnetic adj head) and ((measure or calculate) same (thermal or heat or conductance or flow))) and ((cool\$3 or current or temperature) near (magnetic adj head) and (consistance and temperature) near (magnetic adj head) and (consistance and temperature) near (magnetic adj head) and (consistance or flow)) (magnetic adj head) and ((measure or calculate) near (thermal or heat or conductance or flow))  (magnetic adj head) and dielectric (magnetic adj head) near dielectric (magnetic adj head) near dielectric (magnetic adj head) near dielectric (magnetic adj head) near dielectric (magnetic adj head) same di	-	9	near (magnetic adj head))), and (conduct\$6) ((((magnetic adj head) and ((measure or calculate) same (thermal or heat or		2003/02/18	16:25
calculate) same (thermal or heat or conductance or flow)) and ((cool53 or current or temperature or warms or heat\$3) near (magnetic adj head)) and (resistance and temperature and current)) and (conduct\$6) and dielectric (magnetic adj head) and ((measure or calculate) same (thermal or heat or conductance or flow)) and ((cool\$3 or current or temperature) near (magnetic adj head) head)) and (coontol\$5 same (heat or thermal))  21 (magnetic adj head) and ((measure or calculate) near (thermal or heat or conductance or flow)) (magnetic adj head) and dielectric USPAT; US-FGPUB  31322 (magnetic adj head) near dielectric USPAT; US-FGPUB  4 ((magnetic adj head) near dielectric USPAT; US-FGPUB  (magnetic adj head) near dielectric USPAT; US-FGPUB  (magnetic adj head) same dielectric USPAT; US-FGPUB  (magnetic adj head) same dielectric and (thermal or heat) (thermal or heat) ((magnetic adj head) same dielectric) and (thermal or heat)) and ((measur\$3 or calculat\$3 or control\$4) near (heat or thermal or conductance or dielectric or flow))  (((((magnetic adj head) same dielectric) and (thermal or heat)) and ((measur\$3 or calculat\$3 or control\$4) near (heat or thermal or conductance or dielectric or flow)) and ((measur\$3 or calculat\$3 or control\$4) near (heat or thermal or conductance or dielectric or flow)) and ((measur\$3 or calculat\$3 or control\$4) near (heat or thermal or conductance or dielectric or flow)) and ((measur\$3 or calculat\$3 or control\$4) near (heat or thermal or conductance or dielectric or flow)) and ((measur\$3 or calculat\$3 or control\$4) near (heat or thermal or conductance or dielectric or flow)) and ((measur\$3 or calculat\$3 or control\$4) near (heat or thermal or conductance or dielectric or flow)) and ((measur\$3 or calculat\$3 or control\$4) near (heat or thermal or conductance or dielectric or flow)) and (measur\$3 or calculat\$3 or control\$4) near (heat or thermal or conductance or dielectric or flow)) and (measur\$3 or calculat\$3 or control\$4) near (heat or thermal or conductance or dielectric or flow)) and (mea			current or temperature or warm\$ or heat\$3) near (magnetic adj head))) and (resistance and temperature and current)) and			
Current or temperature or warm\$ or hear\$3   near (magnetic adj head)) and (resistance and temperature and current)) and (conduct\$6) and dielectric (magnetic adj head) and ((measure or calculate) same (thermal or heat or conductance or flow)) and ((cool\$5 or current or temperature) near (magnetic adj head) head) and (control\$5 same (heat or thermal)) (magnetic adj head) and ((measure or calculate) hear (thermal or heat or calculate) hear (thermal or heat or calculate) hear (thermal or heat or conductance or flow)) (magnetic adj head) and dielectric USPAT; US-PGPUB (magnetic adj head) near dielectric USPAT; US-PGPUB (magnetic adj head) hear dielectric USPAT; US-PGPUB (magnetic adj head) same dielectric USPAT; US-PGPUB (magnetic adj head) same dielectric USPAT; US-PGPUB US	-	1	calculate) same (thermal or heat or		2003/02/18	16:25
Company   Comp			current or temperature or warm\$ or heat\$3) near (magnetic adj head))) and (resistance and temperature and current)) and			
21	_	6	calculate) same (thermal or heat or conductance or flow))) and ((cool\$3 or current or temperature) near (magnetic adj head)) and (control\$5 same (heat or	1	2003/02/18	16:46
1332	-	21	(magnetic adj head) and ((measure or calculate) near (thermal or heat or		2003/02/18 1	16:56
Composition and plant   Composition   Comp	_	1332		1	2003/02/20 1	3:10
3	-	6	(magnetic adj head) near dielectric	USPAT;	2003/02/18 1	7:02
251	-	3		USPAT;	2003/02/20 1	4:17
140 ((magnetic adj head) same dielectric) and (thermal or heat)  11 (((magnetic adj head) same dielectric) and (thermal or heat))  12 (((magnetic adj head) same dielectric) and (thermal or heat)) and ((measur\$3 or calculat\$3 or control\$4) near (heat or thermal or conductance or dielectric) and (thermal or heat)) and ((measur\$3 or calculat\$3 or control\$4) near (heat or thermal or conductance or dielectric or flow))) and ((measur\$3 or calculat\$3 or control\$4) near (heat or thermal or conductance or dielectric or flow))) and ((measur\$3 or calculat\$3 or control\$4) near (thermal or conductance or dielectric))  1251 (magnetic adj head) same dielectric  33 ((magnetic adj head) same dielectric) and GMR  175 700/299  11 700/299 and dielectric  11 700/299 and dielectric  12 USPAT; US-PGPUB USPAT;	-	251		USPAT;	2003/02/18 1	7:02
11 (((magnetic adj head) same dielectric) and (thermal or heat)) and ((measur\$3 or calculat\$3 or control\$4) near (heat or thermal or conductance or dielectric or flow))  4 (((magnetic adj head) same dielectric) and (thermal or heat)) and ((measur\$3 or calculat\$3 or control\$4) near (heat or thermal or conductance or dielectric or flow)) and ((measur\$3 or calculat\$3 or calculat\$3 or calculat\$3 or calculat\$3 or control\$4) near (heat or thermal or conductance or dielectric or flow))) and ((measur\$3 or calculat\$3 or calculat\$3 or control\$4) near (thermal or conductance or dielectric))  251 (magnetic adj head) same dielectric  33 ((magnetic adj head) same dielectric) and GMR  - 175 700/299  10 700/299 and dielectric  11 700/299 and dielectric  2003/02/20 13:16 US-PGPUB	-	140		USPAT;	2003/02/18 1	7:05
flow)   ((((magnetic adj head) same dielectric) and (thermal or heat)) and ((measur\$3 or calculat\$3 or control\$4) near (heat or thermal or conductance or dielectric or flow))) and ((measur\$3 or calculat\$3 or control\$4) near (thermal or conductance or dielectric))   251 (magnetic adj head) same dielectric   USPAT;	_	11	(((magnetic adj head) same dielectric) and (thermal or heat)) and ((measur\$3 or calculat\$3 or control\$4) near (heat or	USPAT;	2003/02/18 1	7:10
control\$4) near (thermal or conductance or dielectric)	-	4	flow)) ((((magnetic adj head) same dielectric) and (thermal or heat)) and ((measur\$3 or calculat\$3 or control\$4) near (heat or thermal or conductance or dielectric or	· ·	2003/02/18 1	7:11
- 251 (magnetic adj head) same dielectric USPAT; US-PGPUB - 33 ((magnetic adj head) same dielectric) and USPAT; US-PGPUB GMR - 175 700/299 - 11 700/299 and dielectric USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; 2003/02/20 14:16			control\$4) near (thermal or conductance or			
- 33 ((magnetic adj head) same dielectric) and USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB	_	251			2003/02/20 1	3:16
- 175 700/299 USPAT; 2003/02/20 14:15 US-PGPUB USPAT; 2003/02/20 14:16	_	33	GMR	USPAT;	2003/02/20 1	3:21
- 11 700/299 and dielectric USPAT; 2003/02/20 14:16	_	175	700/299	USPAT;	2003/02/20 1	4:15
U3-FGFUD	_	11	700/299 and dielectric		2003/02/20 1	4:16

-	1	(700/299 and dielectric) and (magnetic adj	USPAT;	2003/02/20 14:16
-	6	head) ((magnetic adj head) near dielectric)	US-PGPUB USPAT; US-PGPUB	2003/02/20 14:27
_	6	((magnetic near head) near dielectric)	USPAT; US-PGPUB	2003/02/20 14:29
-	225	character\$7 near (thermal adj response)	USPAT; US-PGPUB	2003/02/20 14:32
_	1	(character\$7 near (thermal adj response)) and (magnetic adj head)	USPAT; US-PGPUB	2003/02/20 14:32
_	2	(character\$7 near (thermal adj response))	USPAT; US-PGPUB	2003/02/20 15:08
_	311	MR same dielectric	USPAT; US-PGPUB	2003/02/20 14:52
-	6	MR near dielectric	USPAT; US-PGPUB	2003/02/20 14:53
_	26	heat near flow near zero	USPAT; US-PGPUB	2003/02/20 15:09
_	2	calculate near (thermal adj conductance)	USPAT; US-PGPUB	2003/02/20 15:45
-	11	(magnetic near head) and (thermal adj	USPAT; US-PGPUB	2003/02/20 15:49
_	1	(magnetic near head) same (thermal adj conductance)	USPAT; US-PGPUB	2003/02/20 16:09
_	1834	thermal adj conductance	USPAT; US-PGPUB	2003/02/20 17:46
_	2	702/136 and (magnetic near head)	USPAT; US-PGPUB	2003/02/20 16:08
-	611	(thermal adj conductance) and measure	USPAT; US-PGPUB	2003/02/20 18:26
_	102	((thermal adj conductance) and measure) and calculate	USPAT; US-PGPUB	2003/02/20 16:10
-	155	(thermal adj conductance) and (measure near (temperature or heat))	USPAT; US-PGPUB	2003/02/20 16:18
-	1	((thermal adj conductance) and (measure near (temperature or heat))) and ((magnetic near head) or GMR or MR or magnetoresistive)	USPAT; US-PGPUB	2003/02/20 16:22
-	34	((thermal adj conductance) and (measure near (temperature or heat))) and ((magnetic near head) or GMR or MR or	USPAT; US-PGPUB	2003/02/20 16:23
-	1	magnetoresistive or head) ((thermal adj conductance) and (measure near (temperature or heat))) and ((magnetic same head) or GMR or MR or	USPAT; US-PGPUB	2003/02/20 16:24
_	92	magnetoresistive) ((thermal adj conductance) and (measure	USPAT;	2003/02/20 16:29
		near (temperature or heat))) and (control\$3 same heat)	US-PGPUB	2002/02/20 16 21
_	82	<pre>((thermal adj conductance) and (measure near (temperature or heat))) and (control\$3 near (heat or temperature))</pre>	USPAT; US-PGPUB	2003/02/20 16:31
_	24	(((thermal adj conductance) and (measure near (temperature or heat))) and (control\$3 near (heat or temperature)))	USPAT; US-PGPUB	2003/02/20 17:40
_	0	and dielectric ((((thermal adj conductance) and (measure near (temperature or heat))) and (control\$3 near (heat or temperature)))	USPAT; US-PGPUB	2003/02/20 16:45
		and dielectric) and ((thermal adj conductance) near (calculat\$3 or comput\$3 or evaluat\$3))		2002/00/02 27
-	14	<pre>((((thermal adj conductance) and (measure near (temperature or heat))) and (control\$3 near (heat or temperature))) and dielectric) and (heat near flow)</pre>	USPAT; US-PGPUB	2003/02/20 17:41
_	44	(thermal adj conductance) near K	USPAT; US-PGPUB	2003/02/20 17:50
_	41	((thermal adj conductance) near K) and (power or (current and resistance)) and temperature	USPAT; US-PGPUB	2003/02/20 17:53
	1	remberarare	L	<u> </u>

-	1	(thermal adj conductance) same ((read/write) near head)	USPAT; US-PGPUB	2003/02/20 18:30
_	57	((read/write or magnetic) near head) and thermoelectric	USPAT; US-PGPUB	2003/02/20 18:34
_	19	(((read/write or magnetic) near head) and	USPAT;	2003/02/20 18:35
_	9	thermoelectric) and (K or conductance) (calculat\$3 or comput\$3 or evaluat\$3) near	US-PGPUB USPAT	2003/02/21 16:51
_	0	<pre>(thermal near conductance)  ((calculat\$3 or comput\$3 or evaluat\$3)</pre>	USPAT	2003/02/21 16:44
_	0	near (thermal near conductance)) and head ((calculat\$3 or comput\$3 or evaluat\$3)	USPAT	2003/02/21 16:51
		near (thermal near conductance)) and magnetic		
-	0	1	USPAT	2003/02/21 17:25
_	283		USPAT	2003/02/21 17:29
_	1	l =	USPAT	2003/02/24 13:52
-	3	((magnetic adj head) same ((giant adj magentosensitive) or GMR)) and (ambient	USPAT	2003/02/21 17:30
_	46	adj temperature) ((magnetic adj head) same ((giant adj magentosensitive) or GMR)) and cool\$3	USPAT	2003/02/21 17:33
-	13	(US-5966275-\$ or US-5986978-\$ or US-5540988-\$ or US-5477701-\$ or	USPAT; US-PGPUB	2003/02/24 15:14
_	11	US-6140814-\$ or US-5270987-\$ or US-6338899-\$ or US-5969523-\$ or US-5850324-\$ or US-4651564-\$ or US-4478076-\$ or US-6189367-\$).did. or (US-20020095243-\$).did. ((US-5966275-\$ or US-5986978-\$ or	USPAT;	2003/02/24 17:12
		US-5540988-\$ or US-5477701-\$ or US-6140814-\$ or US-5270987-\$ or US-6338899-\$ or US-5969523-\$ or US-5850324-\$ or US-4651564-\$ or US-4478076-\$ or US-6189367-\$).did. or (US-20020095243-\$).did.) and head	US-PGPUB	2003/02/21 11112
_	10		USPAT; US-PGPUB	2003/02/24 12:50
_	2		USPAT; US-PGPUB	2003/02/24 13:00
-	7		USPAT; US-PGPUB	2003/02/24 13:29

	,		T	1000010010
-	1	((US-5966275-\$ or US-5986978-\$ or	USPAT;	2003/02/24 13:13
1		US-5540988-\$ or US-5477701-\$ or	US-PGPUB	
		US-6140814-\$ or US-5270987-\$ or		
		US-6338899-\$ or US-5969523-\$ or		
		US-5850324-\$ or US-4651564-\$ or		
		US-4478076-\$ or US-6189367-\$).did. or		
		(US-20020095243-\$).did.) and (magnetic adj		
		head) and cool\$3		
	8	1	USPAT;	2003/02/24 13:39
-	0		US-PGPUB	2003/02/24 13.33
		US-5540988-\$ or US-5477701-\$ or	US-PGPUB	
		US-6140814-\$ or US-5270987-\$ or		
		US-6338899-\$ or US-5969523-\$ or		
		US-5850324-\$ or US-4651564-\$ or		!
		US-4478076-\$ or US-6189367-\$).did. or		
		(US-20020095243-\$).did.) and ((magnetic		
		adj head) or MR adj head)		
_	572	GMR same (magnetic adj head)	USPAT;	2003/02/24 13:41
	1		US-PGPUB	
_	l 84	GMR same (magnetic adj head) same current	USPAT;	2003/02/24 13:42
	"	Girk Same (magnetic adj nead) Same Carrent	US-PGPUB	2003/02/24 13.42
	,	CMD same (magnetic add head) same surrent	1	2003/02/24 12:45
_	1	GMR same (magnetic adj head) same current	USPAT;	2003/02/24 13:45
	1	same dielectric	US-PGPUB	
-	13	,	USPAT;	2003/02/24 13:48
		and cool\$3 and temperature	US-PGPUB	
	5	((magnetic adj head) near dielectric)	USPAT	2003/02/24 13:53
_	3	(US-5477701-\$ US-5850324-\$	USPAT;	2003/02/24 18:22
	1	US-4478076-\$).did.	US-PGPUB	
-	2	1	USPAT;	2003/02/24 15:16
	_	US-4478076-\$).did. ) and cool	US-PGPUB	2000, 02, 21 20.10
_	2	· · · · · · · · · · · · · · · · · · ·	USPAT;	2003/02/24 18:22
			US-PGPUB	2003/02/24 10.22
		US-4478076-\$).did.) and cool\$3 and	US-PGPUB	
	_	temperature		0000/00/04 17 55
j <b>-</b>	7	((	USPAT;	2003/02/24 17:55
		US-5540988-\$ or US-5477701-\$ or	US-PGPUB	
		US-6140814-\$ or US-5270987-\$ or		
		US-6338899-\$ or US-5969523-\$ or		
		US-5850324-\$ or US-4651564-\$ or		
		US-4478076-\$ or US-6189367-\$).did. or		
		(US-20020095243-\$).did.) and (GMR or MR or		
		magnetoresistive or (giant adj		
	1	magnetoresistive adj sensor))	HODAM	1 2002 (00 (04 17 52 )
_	1	((US-5477701-\$ US-5850324-\$	USPAT;	2003/02/24 17:53
		US-4478076-\$).did.) and (GMR or MR or	US-PGPUB	
		magnetoresistive or (giant adj	1	
		magnetoresistive adj sensor))		
-	4	((US-5966275-\$ or US-5986978-\$ or	USPAT;	2003/02/24 18:00
		US-5540988-\$ or US-5477701-\$ or	US-PGPUB	
		US-6140814-\$ or US-5270987-\$ or	1	
		US-6338899-\$ or US-5969523-\$ or		
		US-5850324-\$ or US-4651564-\$ or	1	
		US-4478076-\$ or US-6189367-\$).did. or	1	
		(US-20020095243-\$).did.) and ((GMR or		
		(giant adj magnetoresistive adj sensor))		
	_	same (MR or magnetoresistive))		1 0000 455 455 5 5
-	5	( , ,	USPAT;	2003/02/24 18:00
		US-5540988-\$ or US-5477701-\$ or	US-PGPUB	
		US-6140814-\$ or US-5270987-\$ or	†	
		US-6338899-\$ or US-5969523-\$ or		
	1	US-5850324-\$ or US-4651564-\$ or	1	
	-	US-4478076-\$ or US-6189367-\$).did. or		
		(US-20020095243-\$).did.) and (GMR or	!	1
	İ	(qiant adj magnetoresistive adj sensor))	!	
_	0	1 3	USPAT;	2003/02/24 18:22
			l -	2003/02/24 18:22
_	-	US-4478076-\$).did. and MR	US-PGPUB	1 2002 (00 (0) 10 15
-	1	, , , , , , , , , , , , , , , , , , , ,	USPAT;	2003/02/24 18:48
		US-4478076-\$).did. and magnetoresistive	US-PGPUB	1
<del>-</del>	4223	thermoelectric same cool\$3	USPAT;	2003/02/24 18:54
			US-PGPUB	1
-	64	(thermoelectric near cool\$3) same magnetic	USPAT;	2003/02/24 18:57
	<u> </u>		US-PGPUB	1
				<del></del>

-	7	(thermoelectric near cool\$3) same (magnetic near head)	USPAT; US-PGPUB	2003/02/24 18:59
-	1	(thermoelectric same (magnetic near head)) same (thermal near conductance)	USPAT;	2003/02/24 19:00
-	69	(thermoelectric same (thermal near conductance))	US-PGPUB USPAT; US-PGPUB	2003/02/24 19:01
-	57	1	USPAT	2003/02/24 19:04
-	2	(thermoelectric same (thermal near conductance)) same model\$3	USPAT	2003/02/24 19:04
_	40850	read/write	USPAT; US-PGPUB	2003/02/25 18:34
_	8425	read/write adj head	USPAT; US-PGPUB	2003/02/25 19:05
! <del>-</del>	10	model\$3 near thermoelectric	USPAT; US-PGPUB	2003/02/25 18:45
_	1	<pre>(model\$3 near thermoelectric) same (conductance)</pre>	USPAT; US-PGPUB	2003/02/25 18:50
_	1	(model\$3 near thermoelectric) same (thermal)	USPAT; US-PGPUB	2003/02/25 18:50
_	2	<pre>(model\$3 near thermoelectric) and (conductance)</pre>	USPAT; US-PGPUB	2003/02/25 19:35
_	5141	(read/write adj head) same (magnetic)	USPAT; US-PGPUB	2003/02/25 19:09
_	695	(read/write adj head) same (magnetic adj head)	USPAT; US-PGPUB	2003/02/25 19:09
	34	(read/write adj head) near (magnetic adj head)	USPAT; US-PGPUB	2003/02/26 14:35
-	0	((read/write adj head) near (magnetic adj head)) and control\$3 near thermal	USPAT; US-PGPUB	2003/02/25 19:10
_	0	(conductance) and (control\$3 near cool\$3)	USPAT; US-PGPUB	2003/02/25 19:35
_	0	((read/write adj head) near (magnetic adj head)) and (thermal adj conductance)	USPAT; US-PGPUB	2003/02/26 14:36
_	0	((read/write adj head) near (magnetic adj head)) and (thermal adj response)	USPAT; US-PGPUB	2003/02/26 14:39
	16	((read/write adj head) near (magnetic adj head)) and (GMR)	USPAT; US-PGPUB	2003/02/26 14:40
	16	(US-5966275-\$ or US-5850324-\$ or US-5969523-\$ or US-5540988-\$ or US-5986978-\$ or US-6128160-\$ or US-5409547-\$ or US-4405961-\$ or US-6189367-\$ or US-4478076-\$ or US-4651564-\$ or US-5477701-\$ or US-6140814-\$ or US-5270987-\$ or US-6338899-\$).did. or (US-20020095243-\$).did.	USPAT; US-PGPUB	2003/02/26 16:42
-	1	((US-5966275-\$ or US-5850324-\$ or US-5969523-\$ or US-5540988-\$ or US-5986978-\$ or US-6128160-\$ or US-5409547-\$ or US-4405961-\$ or US-6189367-\$ or US-4478076-\$ or US-4651564-\$ or US-5477701-\$ or US-6140814-\$ or US-5270987-\$ or US-6338899-\$).did. or	USPAT; US-PGPUB	2003/02/26 16:57
-	3	(US-20020095243-\$).did.) and (computer adj program) ((US-5966275-\$ or US-5850324-\$ or US-5969523-\$ or US-5540988-\$ or US-5986978-\$ or US-6128160-\$ or US-5409547-\$ or US-4405961-\$ or US-6189367-\$ or US-4478076-\$ or US-4651564-\$ or US-5477701-\$ or US-6140814-\$ or US-5270987-\$ or US-6338899-\$).did. or	USPAT	2003/02/26 16:55
		(US-20020095243-\$).did.) and (computer)		

_	3	((US-5966275-\$ or US-5850324-\$ or	USPAT;	2003/02/26 16:57
		US-5969523-\$ or US-5540988-\$ or	US-PGPUB	
		US-5986978-\$ or US-6128160-\$ or		
İ		US-5409547-\$ or US-4405961-\$ or US-6189367-\$ or US-4478076-\$ or		
		US-4651564-\$ or US-5477701-\$ or		
		US-6140814-\$ or US-5270987-\$ or		
		US-6338899-\$).did. or		
	1	(US-20020095243-\$).did.) and (program)		
-	0	((giant adj magnetoresistive) or GMR) near	USPAT;	2003/02/26 17:54
		bandwith	US-PGPUB	
-	0	( ( ) = a to a a j magneto 2 of 2 of the of	USPAT;	2003/02/26 17:56
		bandwith	US-PGPUB	
-	0	((giant adj magnetoresistive) or GMR or sensor) same bandwith same (signal near	USPAT;	2003/02/26 18:02
	•	noise)	US-PGPUB	
-	0	· ·	USPAT;	2003/02/26 18:02
İ		sensor) same bandwith same (ratio)	US-PGPUB	2000, 02, 20 10.02
-	26	((giant adj magnetoresistive) or GMR or	USPAT;	2003/02/26 18:02
		sensor) same bandwith	US-PGPUB	
-	130	((giant adj magnetoresistive) or GMR or	USPAT;	2003/02/26 18:03
		sensor) same bandwidth same (signal near	US-PGPUB	
_	6	noise) ((giant adj magnetoresistive) or GMR) same	HCDAM -	2002/02/25 22 25
	0	((glant adj magnetoresistive) or GMR) same   bandwidth same (signal near noise)	USPAT; US-PGPUB	2003/02/26 18:16
-	7		USPAT;	2003/02/26 18:20
		(signal near noise)	US-PGPUB	2003,02/20 10.20
-	128	(sensor) same bandwidth same (signal near	USPAT;	2003/02/26 18:29
		noise)	US-PGPUB	
-	5	(sensor) same bandwidth same (signal near	USPAT;	2003/02/26 18:31
		noise) same (magnetoresistive or MR)	US-PGPUB	
_	66	(	USPAT;	2003/02/27 12:57
_	0	noise) same (ratio) (sensor) near (signal adj to adj noise adj	US-PGPUB	2002/02/27 12 06
		ratio)	USPAT; US-PGPUB	2003/02/27 13:06
_	0	bandwidth near (signal adj to adj noise	USPAT;	2003/02/27 13:07
		adj ratio)	US-PGPUB	2003/02/2/ 13.0/
-	103	sensor near (signal near noise near ratio)	USPAT;	2003/02/27 13:20
			US-PGPUB	ļ
-	0	(sensor near (signal near noise near	USPAT;	2003/02/27 13:12
	,	ratio) ) near bandwidth	US-PGPUB	0000/00/07 10 10
	1	(sensor near (signal near noise near ratio) ) same bandwidth	USPAT;	2003/02/27 13:12
_	70		US-PGPUB USPAT;	2003/02/27 13:28
		ratio)	US-PGPUB	2003/02/2/ 13:28
-	0	(maximum near bandwidth) near (signal near	USPAT;	2003/02/27 13:30
		noise near ratio)	US-PGPUB	
-	0	(bandwidth near (signal near noise near	USPAT;	2003/02/27 13:28
		ratio) ) same sensor	US-PGPUB	0000/60/55
-	11	(maximum near bandwidth) same (signal near	USPAT;	2003/02/27 13:36
_	1	noise near ratio) ((maximum near bandwidth) same (signal	US-PGPUB USPAT;	2003/02/27 13:35
		near noise near ratio) ) same sensor	US-PGPUB	2003/02/2/ 13:35
-	2	((maximum near bandwidth) same (signal	USPAT;	2003/02/27 13:33
		near noise near ratio) ) and sensor	US-PGPUB	10.00
-	3	((maximum near bandwidth) same (signal	USPAT;	2003/02/27 13:35
		near noise near ratio) ) and (GMR or MR)	US-PGPUB	
-	99	(magnetic adj head) same (signal near	USPAT;	2003/02/27 13:37
_	6	noise near ratio)	US-PGPUB	2002/02/27 12:40
_	"	<pre>(magnetic adj head) near (signal near noise near ratio)</pre>	USPAT; US-PGPUB	2003/02/27 13:40
	8	(magnetic adj head) near ((signal near	USPAT;	2003/02/27 13:51
		noise near ratio) or S/N)	US-PGPUB	2003/02/2/ 13.31
-	7	(magnetic adj head) same ((signal near	USPAT;	2003/02/27 15:46
		noise near ratio) or S/N) and bandwidth	US-PGPUB	
		and sensor		
-	2	(magnetic adj head) same ((signal near	USPAT;	2003/02/27 15:55
		noise near ratio) or S/N) and (maximum adj	US-PGPUB	
		bandwidth)		

-	10	(comput\$3 determin\$3 evaluat\$3 calculat\$3)	USPAT;	2003/02/27 17:19
		near ((S/R or (signal near noise near	US-PGPUB	]
-		ratio)) and bandwidth)		
-	195	(S/R or (signal near noise near ratio))	USPAT;	2003/02/27 17:21
		and (maximum adj bandwidth)	US-PGPUB	
-	0	(S/R or (signal near noise near ratio))	USPAT;	2003/02/27 17:21
		near (maximum adj bandwidth)	US-PGPUB	

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